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Yushkevič, A. A., Moscow University, U.S.S.R.

Žaludová, Agnes, Heat Engineering Inst., Prague
Zítek, F., Math. Inst., Czech Acad. Sci., Prague
Zubrzycki, S., Math. Inst., Polish Acad. Sci., Warsaw

LIST OF PUBLICATIONS FOR REGULAR SCANNING

The following list of publications in the statistical and allied fields will be examined regularly for papers which should be abstracted for this Journal. Other journals will also be scrutinised from time to time and a check maintained by scanning other relevant abstracting journals. In addition, abstracts will be included of special collections of papers as published in reports of conferences, symposia and seminars together with the published reports of experiment and other research stations. The coverage of this Journal amounts to 500 sources of publication

Abhand. Math. Hamburg	Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg	Germany
Acta Acad. Cient., Lima	Acta de la Academia Cientifica, Lima	Peru
Acta Math., Stockh.	Acta Mathematica	Sweden
Acta Math. Acad. Sci. Hung.	Acta Mathematica Academiae Scientiarum Hungaricae	Hungary
Acta Math. Sinica	Acta Mathematica Sinica	China
Acta Pontif. Acad. Sci.	Acta Pontificiae Academiae Scientiarum	Italy
Advanced Management	Advanced Management	U.S.A.
Advanc. Enzymol.	Advances in Enzymology and Related Subjects	U.S.A.
Advanc. Protochem.	Advances in Protochemistry	U.S.A.
Advanc. Vet. Sci.	Advances in Veterinary Science	U.S.A.
Agric. Engng., St Joseph, Mich.	Agricultural Engineering	U.S.A.
Agriculture, London	Agriculture (Min. of Agric.)	Great Britain
Agron. J.	Agronomy Journal	U.S.A.
Allg. Statist. Arch.	Allgemeinse Statistisches Archiv	Germany
Amer. Econ. Rev.	American Economic Review	U.S.A.
Amer. Heart J.	American Heart Journal	U.S.A.
Amer. J. Clin. Nutr.	American Journal of Clinical Nutrition	U.S.A.
Amer. J. Clin. Path.	American Journal of Clinical Pathology	U.S.A.
Amer. J. Digestive Diseases	American Journal of Digestive Diseases	U.S.A.
Amer. J. Hum. Genet.	American Journal of Human Genetics	U.S.A.
Amer. J. Hyg.	American Journal of Hygiene	U.S.A.
Amer. J. Math.	American Journal of Mathematics	U.S.A.
Amer. J. Med.	American Journal of Medicine	U.S.A.
Amer. J. Path.	American Journal of Pathology	U.S.A.
Amer. J. Physiol.	American Journal of Physiology	U.S.A.
Amer. J. Publ. Health	American Journal of Public Health	U.S.A.
Amer. J. Sci.	American Journal of Science	U.S.A.
Amer. J. Sociol.	American Journal of Sociology	U.S.A.
Amer. J. Trop. Med. Hyg.	American Journal of Tropical Medicine and Hygiene	U.S.A.
Amer. J. Vet. Res.	American Journal of Veterinary Research	U.S.A.
Amer. Nat.	American Naturalist	U.S.A.
Amer. Statistician	American Statistician	U.S.A.
Analyt. Chem.	Analytical Chemistry	U.S.A.
An. Soc. Cient. Argent.	Anales de la Sociedad Cientifica Argentina	Argentina
Ann. Acad. Sci. Fenn.	Annales Academiae Scientiarum Fennicae	Finland
Ann. Appl. Biol.	Annals of Applied Biology	Great Britain
Ann. Fac. Econ. Com. Catania	Annali della Facoltà di Economia e Commercio, Catania (University)	Italy
Ann. Fac. Econ. Com. Palermo	Annali della Facoltà di Economia e Commercio, Palermo (University)	Italy
Ann. Fac. Sci. Porto	Annaes da Faculdade de Ciências do Porto	Portugal
Ann. Hum. Genet.	Annals of Human Genetics (London)	Great Britain
Ann. Inst. Poincaré	Annales de l'Institut Henri Poincaré	France
Ann. Inst. Statist. Math., Tokyo	Annals of the Institute of Statistical Mathematics	Japan
Ann. Inst. Sup. Sci. Econ. Financ.	Annaes do Instituto Superior de Ciências Economicas e Financieras	Portugal
Ann. Ist. Statist. Bari	Annali dell'Istituto di Statistica, Bari (University)	Italy
Ann. Math.	Annals of Mathematics	U.S.A.

Ann. Math. Statist.	Annals of Mathematical Statistics	U.S.A.
Ann. N.Y. Acad. Sci.	Annals of the New York Academy of Science	U.S.A.
Ann. Sci. Éc. Norm. Sup., Paris	Annales Scientifiques de l'École Normale Supérieure	France
Ann. Sci. Écon. Appl.	Annales de Sciences, Économique Appliquées	France
Ann. Soc. Sci. Bruxelles, I	Annales de la Société Scientifique de Bruxelles—Serie 1	Belgium
Ann. Statist., Rome	Annali di Statistica (Istituto Centrale di Statistica, Roma)	Italy
Ann. Univ. Lyon, A	Annales de l'Université de Lyon—Section A	France
Ann. Univ. Sci. Budapest., Sect. Math.	Annales Universitatis Scientiarum Budapestiensis de Rolando Eötvös nominatae—Sectio Mathematica	Hungary
Annu. Rev. Physiol.	Annual Review of Physiology	U.S.A.
Aplik. Mat.	Aplikace Matematiky	Czechoslovakia
Appl. Sci. Res., Hague	Applied Scientific Research, The Hague	Netherlands
Appl. Statist.	Applied Statistics	Great Britain
Archimede	Archimede	Italy
Arch. Biochem. Biophys.	Archives of Biochemistry and Biophysics	U.S.A.
Arch. Math., Karlsruhe	Archiv der Mathematik	Germany
Ark. Mat.	Arkiv för Matematik	Sweden
Atti (mem.) Accad. Lincei	Atti della Accademia Nazionale dei Lincei	Italy
Atti Riun. Sci., Soc. Ital. Statist.	Atti della Riunione Scientifica, Società Italiana di Statistica, Roma	Italy
Aust. J. Agric. Res.	Australian Journal of Agricultural Research	Australia
Aust. J. Appl. Sci.	Australian Journal of Applied Science	Australia
Aust. J. Biol. Sci.	Australian Journal of Biological Sciences	Australia
Aust. J. Phys.	Australian Journal of Physics	Australia
Aust. J. Sci.	Australian Journal of Science	Australia
Aust. J. Statist.	Australian Journal of Statistics	Australia
Beil. Mber. Öst. Inst. Wirtschaftsf.	Beilagen zu den Monatsberichten des Österreichischen Institutes für Wirtschaftsforschung	Austria
Bell Lab. Record	Bell Laboratories Record	U.S.A.
Bell Syst. Monographs	Bell System Monographs	U.S.A.
Biol. Zent.	Biologisches Zentralblatt	Germany
Bell Syst. Tech. J.	Bell System Technical Journal	U.S.A.
Biometrics	Biometrics	U.S.A.
Biometrika	Biometrika	Great Britain
Biom.-Prax.	Biometrie-Praximetrie	Belgium
Biom. Zeit.	Biometrische Zeitschrift	Germany
Blä. Dtsch. Ges. Versich.-math.	Blätter der Deutschen Gesellschaft für Versicherungsmathematik	Germany
Bol. Fac. Filos. Ciênt. S. Paulo	Boletim da Faculdade de Filosofía, Ciências e Letras, São Paulo	Brazil
Bol. Inst. Actuar. Portug.	Boletim do Instituto dos Actuarios Portugueses	Portugal
Bol. Soc. Mat. Mexicana	Boletim de la Sociedad Matemática Mexicana	Mexico
Boll. Cent. Ric. Operat.	Bollettino del Centro per la Ricerca Operativa	Italy
Boll. Un. Mat. Ital.	Bollettino dell'Unione Matematica Italiana	Italy
Brit. J. Nutr.	British Journal of Nutrition	Great Britain
Brit. J. Prev. Soc. Med.	British Journal of Preventive and Social Medicine	Great Britain
Brit. J. Sociol.	British Journal of Sociology	Great Britain
Brit. J. Statist. Psychol.	British Journal of Statistical Psychology	Great Britain
Bull. Acad. Polon. Sci. III	Bulletin de l'Académie des Sciences (Classe 3)	Poland
Bull. Amer. Soc. Test. Mat.	Bulletin, American Society for Testing Materials	U.S.A.
Bull. Ass. Actuair. Suisses	Bulletin de l'Association des Actuaires Suisses	Switzerland
Bull. Calcutta Math. Soc.	Bulletin of the Calcutta Mathematical Society	India
Bull. Calcutta Statist. Ass.	Bulletin, Calcutta Statistical Association	India
Bull., C.S.I.R.O., Aust.	Bulletins, Commonwealth Scientific and Industrial Research Organisation	Australia
Bull. Indian Soc. Qual. Contr.	Bulletin, Indian Society of Quality Control	India
Bull. Indian Stand. Inst.	Bulletin, Indian Standards Institution	India
Bull. Inst. Égypte	Bulletin de l'Institut d'Égypte, Le Caire	Egypt
Bull. Jap. Statist. Soc.	Bulletin of the Japan Statistical Society	Japan

Bull. Math. Statist.	Bulletin of Mathematical Statistics, Research Association of Statistical Sciences	Japan
Bull. Nat. Inst. Sci. India	Bulletin, National Institute of Sciences of India	India
Bull. Nat. Soc. Med. Res.	Bulletin of the National Society for Medical Research	U.S.A.
Bull. Oxf. Univ. Inst. Statist.	Bulletin of the Oxford University Institute of Statistics	Great Britain
Bull. Res. Coun. Israel	Bulletin of the Research Council of Israel	Israel
Bull. Res. Inst. Kerala	Bulletin, Central Research Institute, Kerala (University)	India
Bull. Sci. Math.	Bulletin des Sciences Mathématique	France
Bull. Soc. Math. Belg.	Bulletin de la Société Mathématique de Belgique, Gembloux	Belgium
Bull. Soc. Math. France	Bulletin de la Société Mathématique de France	France
Canad. J. Econ. Polit. Sci.	Canadian Journal of Economic and Political Science	Canada
Cancer Bull.	Cancer Bulletin	U.S.A.
Cancer, New York	Cancer (New York)	U.S.A.
Čas. pěst. mat.	Časopis pro pěstování matematiky	Czechoslovakia
Chem. Engng. Progr.	Chemical Engineering Progress	U.S.A.
Circulation	Circulation	U.S.A.
Clin. Chem.	Clinical Chemistry	U.S.A.
Colect. Estud.	Colectanea de Estudos	Spain
Coll. Mat.	Collectanea Matematica	Spain
Colloq. Math.	Colloquium Mathematicum	Poland
Comment. Math. Helvetia	Commentarii Mathematica Helvetia	Switzerland
Comment. Pontif. Acad. Sci.	Commentationes Pontificiae Academiae Scientiarum	Italy
Compos. Math. Groningen	Compositio Mathematica, Groningen	Netherlands
C.R. Acad. Sci. Paris	Comptes Rendus de l'Académie des Sciences, Paris	France
Cornell Vet.	Cornell Veterinarian	U.S.A.
Current Science	Current Science	India
Curso Mira Fernandes	Curso Mira Fernandes	Portugal
Czech. Math. J.	Czechoslovak Mathematical Journal	Czechoslovakia
Dacca Univ. Statist. Bull.	Dacca University Statistical Bulletin	Pakistan
Defense Sci. J.	Defense Science Journal	India
Demográfia	Demográfia	Hungary
Dokl. Akad. Nauk, SSSR	Doklady Akademiia Nauk, SSSR.	U.S.S.R.
Dopov. Akad. Nauk. Ukrain, SSR	Dopovedy Akademiia Nauk., Ukrainskoj, SSR	U.S.S.R.
Duke Math. J.	Duke Mathematical Journal	U.S.A.
Écon. Appl.	Économie Appliquée	France
Econ. Internazionale	Economia Internazionale	Italy
Econ. J.	Economic Journal	Great Britain
Écon. Leban. Arabe	L'Économie Lebanaise & Arabe, Beirut	Lebanon
Econ. Record	Economic Record	Australia
Econometrica	Econometrica	U.S.A.
Economica	Economica	Great Britain
Edinb. Math. Notes	Edinburgh Mathematical Notes	Great Britain
Égypte Contemp.	L'Égypte Contemporaine de Caire	Egypt
Egyptian Statist. J.	Egyptian Statistical Journal	Egypt
Ekon. Tidskr.	Ekonomisk Tidskrifts	Sweden
Elem. Math.	Elemente der Mathematik	Switzerland
Emp. J. Exp. Agric.	Empire Journal of Experimental Agriculture	Great Britain
Endocrinology	Endocrinology	U.S.A.
Engineer, London	Engineer	Great Britain
Engineering, London	Engineering	Great Britain
Ergebn. Naturw. Grenzgeb.	Ergebnisse der exakten Naturwissenschaften	Germany
Esta	Esta	Spain
Estadistica	Estadistica	U.S.A.
Euclides, Groningen	Euclides, Groningen	Netherlands
Eugen. Rev.	Eugenics Review	Great Britain
Evolution	Evolution	U.S.A.
Experientia	Experientia	Germany
Exp. Med. Surgery	Experimental Medicine and Surgery	U.S.A.

Food Res.	Food Research	U.S.A.
Food Tech.	Food Technology	U.S.A.
Ganita	Ganita, Lucknow-Allahabad (Universities)	India
Gaz. Mat.	Gazeta de Matemática	Portugal
G. Economisti	Giornale degli Economisti e Annali di Economia	Italy
G. Ist. Ital. Attuari	Giornale dell'Istituto Italiano degli Attuari	Italy
Genetics	Genetics	U.S.A.
Genus	Genus	Italy
Growth	Growth	U.S.A.
Harvard Busin. Rev.	Harvard Business Review	U.S.A.
Helvetica Phys. Acta	Helvetica Physica Acta	Switzerland
Heredity	Heredity	Great Britain
Hum. Biol.	Human Biology	U.S.A.
IFO-Studien	IFO-Studien	Germany
Illinois J. Math.	Illinois Journal of Mathematics	U.S.A.
Inc. Statist.	Incorporated Statistician	Great Britain
Indag. Math.	Indagationes Mathematicae, Amsterdam	Netherlands
Indian Coun. Agric. Res. Bull.	Indian Council of Agricultural Research: Bulletin	India
Indian Coun. Agric. Res. Statist. Newsletter	Indian Council of Agricultural Research: Statistical Newsletter	India
Indian Econ. J.	Indian Economic Journal	India
Indian Econ. Rev.	Indian Economic Review	India
Indian J. Agric. Econ.	Indian Journal of Agricultural Economics	India
Indian J. Phys.	Indian Journal of Physics	India
Indian J. Power & River Devel.	Indian Journal of Power and River Development	India
Indian J. Soc. Work	Indian Journal of Social Work	India
Indian Math. Soc. J.	Indian Mathematical Society Journal	India
Industr. Engng. Chem.	Industrial and Engineering Chemistry	U.S.A.
Industr. Qual. Contr.	Industrial Quality Control	U.S.A.
Industria, Milano	L'Industria	Italy
Ingen.-Arch.	Ingenieur-Archiv	Germany
Iowa Acad. Sci. J.	Iowa Academy of Science Journal	U.S.A.
Iowa Exp. Sta. Publ.	Iowa State College Experiment Station Publications	U.S.A.
Izv. Akad. Nauk, SSSR	Izvestiya Akademiia Nauk, SSSR	U.S.S.R.
Izv. Akad. Nauk, Uzbek, SSR.	Izvestiya Akademiia Nauk, Uzbekskoj, SSR.	U.S.S.R.
Jb. Nat.-Ökon. Statist.	Jahrbücher für Nationalökonomie und Statistik	Germany
Jber. Dtsch. Mathver.	Jahresbericht der Deutschen Mathematikervereinigung	Germany
J. Agric. Food Chem.	Journal of Agricultural and Food Chemistry	U.S.A.
J. Agric. Sci.	Journal of Agricultural Science	Great Britain
J. Amer. Pharm. Ass.	Journal of the American Pharmaceutical Association (Scientific Edition)	U.S.A.
J. Amer. Statist. Ass.	Journal, American Statistical Association	U.S.A.
J. Amer. Vet. Med. Ass.	Journal of American Veterinary Medicine Association	U.S.A.
J. Animal Sci.	Journal of Animal Sciences	U.S.A.
J. Appl. Physiol.	Journal of Applied Physiology	U.S.A.
J. Ass. Comp. Mach.	Journal of the Association of Computing Machinery	U.S.A.
J. Aust. Inst. Agric. Sci.	Journal of the Australian Institute of Agricultural Science	Australia
J. Aust. Math. Soc.	Journal of the Australian Mathematical Society	Australia
J. Biol. Chem.	Journal of Biological Chemistry	U.S.A.
J. Chronic Diseases	Journal of Chronic Diseases	U.S.A.
J. Clin. Invest.	Journal of Clinical Investigation	U.S.A.
J. Dairy Sci.	Journal of Dairy Science	U.S.A.
J. Ecology	Journal of Ecology	Great Britain
J. Econ. Ent.	Journal of Economic Entomology	U.S.A.

J. Exp. Educ.	Journal of Experimental Education	U.S.A.
J. Exp. Med.	Journal of Experimental Medicine	U.S.A.
J. Forestry	Journal of Forestry	U.S.A.
J. Gen. Physiol.	Journal of General Physiology	U.S.A.
J. Genet.	Journal of Genetics	India
J. Heredity	Journal of Heredity	U.S.A.
J. Hyg., Camb.	Journal of Hygiene, Cambridge	Great Britain
J. Industr. Econ.	Journal of Industrial Economics	Great Britain
J. Industr. Engng.	Journal of Industrial Engineering	U.S.A.
J. Indian Soc. Agric. Statist.	Journal of the Indian Society of Agricultural Statistics	India
J. Inst. Actuar.	Journal of the Institute of Actuaries	Great Britain
J. Inst. Actuar. Stud. Soc.	Journal of the Institute of Actuaries Students' Society	Great Britain
J. Madras Univ., B	Journal of Madras University, Section B	Great Britain
J. Mammalogy	Journal of Mammalogy	U.S.A.
J. Marine Res.	Journal of Marine Research	U.S.A.
J. Math. Pures Appl.	Journal de Mathématiques Pures et Appliquées	France
J. Math. Soc. Japan	Journal of the Mathematical Society of Japan	Japan
J. Nat. Cancer Inst.	Journal of the National Cancer Institute	U.S.A.
J. Nutrition	Journal of Nutrition	U.S.A.
J. Pharmacol.	Journal of Pharmacology and Experimental Therapeutics	U.S.A.
J. Plant Physiol.	Journal of Plant Physiology	U.S.A.
J. Polit. Econ.	Journal of Political Economy	U.S.A.
J. reine angew. Math.	Journal für reine und angewandte Mathematik	Germany
J. Res., Nat. Bur. Stand.	Journal of Research, National Bureau of Standards, Washington	U.S.A.
J. Roy. Soc., N.S.W.	Journal of the Royal Society, N.S. Wales	Australia
J. R. Statist. Soc. A & B	Journal of the Royal Statistical Society (Series A & B)	Great Britain
J. Sci. Engng.	Journal of Science and Engineering	India
J. Sci. Industr. Res.	Journal of Scientific and Industrial Research	U.S.A.
J. Sci. Industr. Res., India	Journal of Scientific and Industrial Research	India
J. Soc. Statist. Paris	Journal de la Société Statistique de Paris	France
J. Statist. Social Inquiry Soc.	Journal of the Statistical and Social Inquiry Society of Ireland	Ireland
J. Univ. Baroda	Journal, Maharaja Sayajiroa, Baroda University	India
Kōdai, Tokyo Inst. Tech.	Kōdai Mathematical Seminar reports, Tokyo Institute of Technology	Japan
Magy. Tud. Akad. III *Oszt. Közl.*	Magyar Tudományos Akadémia Matematikai és Fizikai Osztályának Közleményei	Hungary
Management Sci.	Management Science	U.S.A.
Manager (India)	Manager	India
Manchester School	Manchester School of Economic & Social Studies	Great Britain
Matemática	Matemática, Notas del Instituto de Matemática Facultad de Ingeniería de Rosario	Argentine
Mat. Lapok	Matematikai Lapok	Hungary
Math. Ann.	Mathematische Annalen	Germany
Math. Comp.	Mathematics of Computation	U.S.A.
Math. Gaz.	Mathematical Gazette	Great Britain
Math. Nachr.	Mathematische Nachrichten	Germany
Math. Scand.	Mathematica Scandinavica	Denmark
Math. Stud.	Mathematics Students	India
Math. Tech. Wirtschaft	Mathematik, Technik, Wirtschaft (Zeitschrift für moderne Rechentechnik und Automation)	Austria
Math. Zeit.	Mathematische Zeitschrift	Germany
Meded. Landbhoogesch. Wageningen	Mededeelingen van de Langbouwhoogeschool, Wageningen	Netherlands
Mem. Coll. Sci., Kyoto	Memoirs of the College of Science, Kyoto (University)	Japan
Mem. Fac. Sci. A, *Kyusyu*	Memoirs of the Faculty of Science (Series A), Kyusyu (University)	Japan

Mém. Soc. Sci. Liége	Mémoires de la Société Royale des Sciences de Liége	Belgium
Metabolism	Metabolism	U.S.A.
Met. Mag., London	Meteorological Magazine	Great Britain
Metrika	Metrika	Germany
Metroeconomica	Metroeconomica	Italy
Metron	Metron	Italy
Mitt. Math. Gissen	Mitteilungen aus dem Mathematischen Seminar Gissen	Germany
Mitt. Ver. Schweiz. Versich.-Math.	Mitteilungen der Vereinigung Schweizerisher Versicherungs-Mathematiker	Switzerland
Monatsh. Math.	Monatshefte für Mathematik	Austria
Monthly Not. R. Astr. Soc.	Monthly Notices of the Royal Astronomical Society	Great Britain
Nat. Bur. Stand., Statist. Rep. & Publ.	National Bureau of Standards, Washington: Statistical Reports and Publications	U.S.A.
Nature	Nature (London)	Great Britain
Naturwiss.	Naturwissenschaften	Germany
Ned. Verzek. Actuar. Bij.	Nederlands Verzekeringsarchief, Actuarieel Bijvoegsel, The Hague	Netherlands
Nieuw Arch. Wisk.	Nieuw Archief voor Wiskunde, Groningen	Netherlands
Nieuw Tijdschr. Wisk.	Nieuw Tijdschrift voor Wiskunde, Groningen	Netherlands
Numer. Math.	Numerische Mathematik	Germany
Operat. Res.	Operations Research Society of America, Journal	U.S.A.
Operat. Res. Quart.	Operational Research Quarterly	Great Britain
Osaka Math. J.	Osaka Mathematical Journal, Osaka (University)	Japan
Öst. Ingen.-arch.	Österreichisches Ingenieurarchiv	Austria
Oxf. Econ. Papers	Oxford Economic Papers	Great Britain
Pacific J. Math.	Pacific Journal of Mathematics	U.S.A.
Pakistan Econ. J.	Pakistan Economic Journal	Pakistan
Phil. Mag.	Philosophical Magazine	Great Britain
Phil. Phenom. Res.	Philosophical and Phenomenological Research	Great Britain
Phil. Trans.	Philosophical Transactions of the Royal Society	Great Britain
Population Stud.	Population Studies	Great Britain
Portug. Math.	Portugaliae Mathematica	Portugal
Poultry Sci.	Poultry Science	U.S.A.
Proc. Amer. Math. Soc.	Proceedings of the American Mathematical Society	U.S.A.
Proc. Amer. Soc. Hort. Sci.	Proceedings, American Society for Horticultural Science	U.S.A.
Proc. Amer. Soc. Qual. Contr.	Proceedings of the American Society for Quality Control	U.S.A.
Proc. Amer. Soc. Test. Mat.	Proceedings of the American Society for Testing Materials	U.S.A.
Proc. Camb. Phil. Soc.	Proceedings of the Cambridge Philosophical Society	Great Britain
Proc. Indian Acad. Sci.	Proceedings of the Indian Academy of Sciences of India	India
Proc. Indian Ass. Cult. Sci.	Proceedings of the Indian Association for Cultivation of Science	India
Proc. Indian Sci. Congr.	Proceedings of the Indian Science Congress	India
Proc. Inst. Statist. Math., Tokyo	Proceedings of the Institute of Statistical Mathematics	Japan
Proc. Japan Acad.	Proceedings of the Japan Academy	Japan
Proc. Kon. Ned. Akad. Wetensch. A	Proceedings, Koninklijke Nederlandsche Akademie van Wetenschappen (A)	Netherlands
Proc. Lahore Phil. Soc.	Proceedings of the Lahore Philosophical Society	India
Proc. Lond. Math. Soc.	Proceedings of the London Mathematical Society	Great Britain
Proc. Math. Phys. Soc. Egypt	Proceedings of the Mathematical and Physical Society of Egypt	Egypt
Proc. Nat. Acad. Sci. India	Proceedings of the National Academy of Sciences of India	India
Proc. Nat. Acad. Sci. U.S.A.	Proceedings of the National Academy of Sciences of the U.S.A.	U.S.A.

Proc. Nat. Inst. Sci. India (A & B)	Proceedings of the National Institute of Sciences of India (Section A & B)	India
Proc. Pakistan Statist. Ass.	Proceedings of the Pakistan Statistical Association	Pakistan
Proc. Qual. Contr. Ass. Bangalore	Proceedings of the Quality Control Association, Bangalore	India
Proc. Roy. Irish Acad.	Proceedings of the Royal Irish Academy	Ireland
Proc. Roy. Soc. (A & B)	Proceedings of the Royal Society (Series A & B)	Great Britain
Proc. Roy. Soc. N.S.W.	Proceedings of the Royal Society of N.S. Wales	Australia
Proc. Roy. Soc. N.Z.	Proceedings of the Royal Society of New Zealand	New Zealand
Proc. Soc. Exp. Biol., N.Y.	Proceedings of the Society of Experimental Biology and Medicine	U.S.A.
Proc. Soil Sci. Soc. Amer.	Proceedings, Soil Science Society of America	U.S.A.
Przegl. Statyst.	Przeglad Statystyczny	Poland
Psychometrika	Psychometrika	U.S.A.
Public Health Rep.	Public Health Reports	U.S.A.
Public Opinion Quart.	Public Opinion Quarterly	U.S.A.
Publ. Inst. Mat. Estadíst. Fac. Ingen. Agric., Montevideo	Publicaciones del Instituto de Matemáticas y Estadística de la Facultad de Ingenieria y Agrimensura, Montevideo	Uruguay
Publ. Inst. Statist. Paris	Publications de l'Institut de Statistique de l'Université de Paris	France
Publ. Math., Debrecen	Publicationes Mathematicae	Hungary
Publ. Math. Inst. Hung. Acad. Sci.	Publications of the Mathematical Institute of the Hungarian Academy of Sciences	Hungary
Qualitätskontr. Operat. Res.	Qualitätskontrolle und Operational Research	Germany
Quart. J. Econ.	Quarterly Journal of Economics	U.S.A.
Quart. J. Exp. Physiol.	Quarterly Journal of Experimental Physiology	U.S.A.
Quart. J. Math.	Quarterly Journal of Mathematics, Oxford	Great Britain
Quart. J. Med.	Quarterly Journal of Medicine	Great Britain
Quart. J. R. Met. Soc.	Quarterly Journal of the Royal Meteorological Society	Great Britain
RAND Corp., Publ. & Rep.	RAND Corporation, Publications and Reports	U.S.A.
R.C. Accad. Lincei	Rendiconti dell'Accademia Nazionale dei Lincei	Italy
R.C. Circ. Mat. Palermo	Rendiconti del Circolo Matematico, Palermo	Italy
R.C. Mat. Univ. Roma	Rendiconti di Matematica e delle sue applicazioni	Italy
R.C. Semin. Sci. Cagliari	Rendiconti del Seminario della Facoltà di Scienze, Cagliari (University)	Italy
Rep. Statist. Appl. Res. (*JUSE*)	Reports of Statistical Application Research, Union of Japanese Scientists & Engineers	Japan
Research, Beirut	Research, American University, Beirut	Lebanon
Rev. Acad. Madrid	Revista de la Real Academia de Ciencias Exactas	Spain
Rev. Brasil. Estatist.	Revista Brasileira de Estatistica	Brazil
Rev. Cienc. Tucumán	Revista de Ciencias de la Universidad Nacional del Tucumán	Argentine
Rev. Écon.	Revue Économique	France
Rev. Econ. Statist.	Review of Economics and Statistics	U.S.A.
Rev. Econ. Stud.	Review of Economic Studies	Great Britain
Rev. Economia, Lisbon	Revista de Economia	Portugal
Rev. Estocást. Soc. Argent. Estadíst.	Revista Estocástica de la Sociedad Argentina de Estadística	Argentine
Rev. Fac. Cienc. Econ. Admin. Montevideo	Revista de la Facultad de Ciencias Economicas y de Administracion, Montevideo	Uruguay
Rev. Fac. Cienc. Lisboa, A	Revista da Faculdade de Ciencias de Lisboa, Série A —Matemática	Portugal
Rev. Int. Statist. Inst.	Review, International Statistical Institute	Netherlands
Rev. Mat. Hisp.-Amer.	Revista Matematica Hispano-Americana	Spain
Rev. Rech. Operat.	Revue de Recherche Operationelle	France
Rev. Sci., Paris	Revue Scientifique	France
Rev. Soc. Cubana Cienc. Fis. Mat.	Revista de la Sociedad Cubana de Ciencas, Fisicas y Matemàticas	Cuba

Rev. Statist. Appl.	Revue de Statistique Appliquée	France
Ric. Sci.	Ricerca Scientifica	Italy
Riv. Int. Sci. Soc.	Rivista Internazionale di Science Sociali	Italy
Riv. Ital. Econ. Demogr. Statist.	Rivista Italiana di Economia Demografia e Statistica	Italy
Riv. Polit. Econ.	Rivista di Politica Economia	Italy
Sankhyā (A & B)	Sankhyā; Indian Journal of Statistics (Series A & B)	India
Schmollers Jb.	Schmollers Jahrbuch	Germany
Sch. Ver. Sozialpolit.	Schriften des Vereins für Sozialpolitik	Germany
Schweiz. Zeit. Volkwirtsch. Statist.	Schweizerische Zeitschrift für Volkwirtschaft und Statistik	Switzerland
Science	Science	U.S.A.
Science & Culture	Science and Culture	India
Scientia	Scientia	Italy
Scottish J. Polit. Econ.	Scottish Journal of Political Economy	Great Britain
Simon Stevin	Simon Stevin, Groningen	Netherlands
Skand. Aktuartidskr.	Skandinavisk Aktuarietidskrift	Sweden
Sociometry	Sociometry	U.S.A.
Soil Sci.	Soil Science	U.S.A.
South Africa J. Econ.	South African Journal of Economics	South Africa
Statistica, Bologna	Statistica	Italy
Statist. Nachr.	Statistische Nachrichten	Austria
Statist. Neerlandica	Statistica Neerlandica, Den Haag	Netherlands
Statist. Praxis	Statistische Praxis	Germany
Statist. Qual. Contr.	Statistical Quality Control	Japan
Statist. Rev. Belgrade	Statisticka Revija	Yugoslavia
Studi Mercato	Studi di Mercato	Italy
Studia Math.	Studia Mathematica	Poland
Studies Inst. Med. Res.	Studies of the Rockefeller Institute for Medical Research	U.S.A.
Sugaku	Sugaku (Mathematical Society of Japan)	Japan
Tech. News, Nat. Bur. Stand.	Technical News Letter, National Bureau of Standards, Washington	U.S.A.
Tech. Publ., Amer. Soc. Test. Mat.	Technical Publications, American Society for Testing Materials	U.S.A.
Tech. Rep., C.S.I.R.O., Aust.	Technical Reports, Commonwealth Scientific & Industrial Research Organisation	Australia
Technometrics	Technometrics	U.S.A.
Teor. Veroyat. Primen.	Teoriia Veroyatnostey i ee Primenenia	U.S.S.R.
Textile Res.	Textile Research	U.S.A.
Tobacco Sci.	Tobacco Science	U.S.A.
Trans. Amer. Math. Soc.	Transactions of the American Mathematical Society	U.S.A.
Trab. Estadíst.	Trabajos de Estadística	Spain
Trans. Edinb. Math. Soc.	Transactions of the Edinburgh Mathematical Society	Great Britain
Trans. Fac. Actuar., Edinb.	Transactions of the Faculty of Actuaries	Great Britain
Trans. Manchester Statist. Soc.	Transactions of the Manchester Statistical Society	Great Britain
Trans. Nat. Inst. Sci. India	Transactions of the National Institute of Sciences of India	India
Trans. N.Y. Acad. Sci.	Transactions of the New York Academy of Science	U.S.A.
Trans. Roy. Soc. N.Z.	Transactions of the Royal Society, N. Zealand	New Zealand
Trans. Soc. Actuar., Chicago	Transactions of the Society of Actuaries	U.S.A.
Ukrain. Mat. Z.	Ukrainskij Matematiceskij Zurnal	U.S.S.R.
U.N. (F.A.O.) Tech. Publ.	United Nations (Food and Agricultural Organisation) Technical Publications	Italy
U.N. Statist. Publ.	United Nations: Statistical Office Publications	U.S.A.
Univ. Calif. Pub. Statist.	University of California Publications in Statistics	U.S.A.
Unternehmensforschung	Unternehmensforschung (Operations Research)	Germany
U.S. Census Publ.	U.S. Bureau of the Census, Publications	U.S.A.

U.S. Dept. Agric., Publ.	U.S. Department of Agriculture, Publications	U.S.A.
Verh. Kon. Belg. Akad. II	Verhandelingen. Koninklijke Belgische Akademie (Serie 2)	Belgium
Verh. Vlaamse Akad. Belg.	Verhandelingen. Koninklijke Vlaamsche Akademie	Belgium
Vitamins & Hormones	Vitamins and Hormones	U.S.A.
Weltwirts. Arch.	Weltwirtschaftliches Archiv	Germany
Wirtsch. und Statist.	Wirtschaft und Statistik	Germany
Yorkshire Bull. Econ. Soc. Res.	Yorkshire Bulletin of Economic and Social Research	Great Britain
Zastosowania Mat.	Zastosowania Matematyki	Poland
Zeit. angew. Math. Mech.	Zeitschrift für angewandte Mathematik und Mechanik	Germany
Zeit. angew. Math. Phys.	Zeitschrift fur angewandte Mathematik und Physik	Switzerland
Zeit. ges. Staatswiss.	Zeitschrift für die gesamte Staatswissenschaft	Germany
Zeit. Handelswiss. Forsch.	Zeitschrift für Handelswissenschaftliche Forschung	Germany
Zeit. Nat.-Ökon.	Zeitschrift für Nationalökonomie	Austria
Zeit. Vererbungs.	Zeitschrift fur Vererbungslehre	Germany

The short titles given above are based upon the principles stated in the League of Nations report *International Code of Abbreviations for Titles of Periodicals* (1930) and its *Supplement* (1932) as also used in the *World List of Scientific Periodicals*

NOTE: In future the above full list will be published only in the Annual Index and Review Supplement.

INDEX OF BOOK REVIEWS

Although it is the policy of this abstracting journal to exclude books and other publications which fall within the scope of the review sections of the established journals, it is possible to render a service to subscribers by providing annually a coordinated index of these reviews. Accordingly, reviews of books which would otherwise come within the scope of this Journal have been indexed in the following schedule. These reviews are taken from forty of the principal statistical and other journals which maintain review sections and which were readily available to the General Editor. Hence, the list does not claim to be exhaustive: this present list covers issues of the various journals nominally dated 1960. The number quoted in each reference is usually the page: part and/or volume identification is also given where necessary.

TITLE OF JOURNAL (*Short Title*) and 1960 VOLUME NUMBER

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Annals of Human Genetics (*Ann. Hum. Genet.*) **24**
Aplikace Matematiky (*Aplik. Mat.*) **5**
Applied Statistics (*Appl. Statist.*) **9**
Australian Journal of Statistics (*Aust. J. Statist.*) **2**
Biometrics (*Biometrics*) **16**
Biometrika (*Biometrika*) **47**
British Journal of Statistical Psychology (*British J. Statist. Psychol.*) **13**
Econometrica (*Econometrica*) **28**
Economic Journal (*Econ. J.*) **70**
Economica (*Economica*) **27**
Incorporated Statistician (*Inc. Statist.*) **10**
Industrial Quality Control (*Industr. Qual. Contr.*) **16/17**
Journal, American Statistical Association (*J. Amer. Statist. Ass.*) **55**
Journal, Institute of Actuaries (*J. Inst. Actuar.*) **86**
Journal, Institute of Actuaries Students' Society (*J. Stud. Soc.*) **16**
Journal, Royal Statistical Society (*J. R. Statist. Soc.* A) **123**
Journal, Société Statistique de Paris (*J. Soc. Statist. Paris*) **101**
Mathematics Reviews (*Math. Rev.*) **21**
Management Science (*Management Sci.*) **6/7**
Mathematics of Computation (*Math. Comp.*) **14**
Metrika (*Metrika*) **3**
Mitteilungen der Vereinigung Schweizerischer Versicherungsmathematiker (*Mitt. Ver. Schweiz.*) **60**
Nature (*Nature*) **185/188**
Operations Research (*Operat. Res.*) **8**
Operational Research Quarterly (*Operat. Res. Quart.*) **11**
Population Studies (*Pop. Stud.*) **13/14**
Psychometrika (*Psychometrika*) **25**
Reviews of Economics and Statistics (*Rev. Econ. Statist.*) **42**
Review, International Statistical Institute (*Rev. Int. Statist. Inst.*) **28**
Revue Statistique Appliquée (*Rev. Statist. Appl.*) **8**
Science Progress (*Sci. Prog.*) **48**
SIAM Review (*SIAM Rev.*) **2**
Statistica (*Statistica*) **20**
Statistica Neerlandica (*Statist. Neerl.*) **14**
Statistička Revija (*Statist. Rev.*) **10**
Statistisk Tidskrift (*Statist. Tidskr.*) **9**
Technometrics (*Technometrics*) **2**
Trabajos de Estadística (*Trab. Estadíst.*) **11**
Weltwirtschaftsliches Archiv (*Weltwirts. Arch.*) **85**

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ADAM, Messen und Regeln in der Betriebswirtschaft. *Operat. Res. Quart.*, 260; *Rev. Int. Statist. Inst.*, 298

ARMOUR RESEARCH FOUNDATION, Proceedings of the fifth annual computer applications symposium. *J. Amer. Statist. Ass.*, 392

AROIAN, Tables and percentage points of the distribution function of a product. *Biometrika*, 215

ARROW, HURWICZ & UZAWA, Studies in linear and non-linear programming. *Econometrica*, 926; *J. Amer. Statist. Ass.*, 758; *Math. Rev.*, No. 7115; *Nature*, 6 (**188**); *Statist. Neerl.*, 376

ARROW, HOFFENBERG *et al.*, A time series analysis of interindustry demands. *J. Amer. Statist. Ass.*, 583; *Math. Rev.*, No. 4055

BAILEY, Statistical methods in biology. *Ann. Hum. Genet.*, 187; *Appl. Statist.*, 64; *Biometrika*, 489; *Nature*, 746 (**186**); *Operat. Res. Quart.*, 759; *Statist. Neerl.* 226

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Burnside, Theory of probability. *J. R. Statist. Soc.*, 339
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Chapanis, Research techniques in human engineering. *Econometrica*, 927
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Deutsche Statistische Gesellschaft, Anwendungen der matrizenrechnung auf wirtschaftliche und statistische probleme. *Math. Rev.*, No. 5515; *Operat. Res. Quart.*, 170
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Dodge & Romig, Sampling inspection tables. Single and double sampling. *Appl. Statist.*, 67; *Biometrika*, 490; *J. R. Statist. Soc.*, 72; *Management Sci.*, 498 (**6**); *Math. Comp.*, 288; *Math. Rev.*, No. 7588; *Sci. Prog.*, 356; *Statist. Neerl.*, 225
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HARMAN, Modern factor analysis. *Metrika*, 237; *Rev. Statist. Appl.*, IV, 122
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1

THE following schedule gives those abstracts of papers where the number of quoted references is twenty or more: exception is made for papers which are classified **11.9** (Bibliography).

	No.		refs.
0. Mathematical Methods			
Danzig	2/2	0.8	30
Talacko	2/10	0.8	57
1. Probability			
Borovkoff	2/237	1.5	22
Rényi	2/450	1.5	20
2. Frequency Distributions			
Geffroy	2/253	2.6	26
Grim	2/466	2.2	159
Gurland	2/256	2.5	39
Lord	2/260	2.1	37
McFadden	2/261	2.3	24
Ruben	2/263	2.3	40
Teicher	2/267	2.8	20
3. Sampling Distributions			
4. Estimation			
Barankin & Katz	2/43	4.0	21
Greenberg & Sarhan	2/51	4.0	25
5. Hypothesis Testing			
Dunnet	2/68	5.8	31
Lancaster	2/78	5.1	34
6. Relationships			
Adams & Messick	2/323	6.4	27
Barten	2/514	6.1	24
Barton	2/91	6.0	48
Cornfield, Steinfeld & Greenhouse	2/94	6.7	24
Martin	2/100	6.8	45
7. Variance Analysis			
Abt	2/111	7.6	23
Anderson	2/113	7.2	22
Bechhofer	2/115	7.3	24
Feldt	2/340	7.5	21
Zyskind & Kempthorne	2/349	7.5	45
8. Sampling Design			
Galantino	2/537	8.1	91
Hamaker	2/357	8.1	24
Matérn	2/359	8.0	133
9. Design of Experiments			
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Nair & Kishen	2/169	9.0	114
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10. Stochastic Theory and Time Series			
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Heathcote & Moyal	2/197	10.4	20
Hida	2/568	10.1	22
Marvall	2/205	10.1	23
Prabhu	2/209	10.4	20
Rényi	2/577	10.5	24
Schneider	2/208	10.0	20
Seyffert	2/211	10.9	48
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Seigel	2/413	10.1	22
11. Miscellaneous			

2

Papers which contain tables of useful statistical functions other than those classified **11.1** (Statistical Tables and Charts).

	No.		
0. Mathematical Methods			
Singh	2/9	0.2	Orthogonal polynomials: x in geometric progressions
Barton & Merrington	2/226	0.1	Solution of $\exp(-a)+ka$
1. Probability			
Barton, David & Fix	2/613	1.1	Polykays of natural numbers
2. Frequency Distributions			
Prins	2/36	2.2	Transformations of related distributions
Zelen & Severo	2/268	2.3	Bivariate normal
Mendenhall & Lehman	2/637	2.4	Negative moments of binomial
3. Sampling Distributions			
Barton David & O'Neill	2/275	3.2	Logarithm of non-central F
Harter	2/269	3.8	Expected values normal order statistics
Harter & Clemm	2/271	3.8	Range and studentised range
Harter, Clemm & Guthrie	2/273	3.8	Range and studentised range: multiple range test
4. Estimation			
Bhattacharya	2/45	4.3	One-sided censored normal distribution
Cohen	2/46	4.3	Poisson parameter: zero values missing
Dixon	2/49	4.3	Censored normal sample parameters
Dunn	2/291	4.2	Confidence intervals: means of dependent normal distributions
Jílek & Líkar	2/297	4.5	Tolerance limits: normal distribution —μ unknown, σ^2 known
Cohen	2/484	4.3	Normal distribution: singly censored or truncated
Jílek & Líkar	2/489	4.5	Tolerance limits: normal distribution —μ known, σ unknown
Shumway & Gurland	2/493	4.3	Poisson binomial distribution
Cohen	2/652	4.3	Normal distribution: singly censored or truncated
Harter	2/659	4.4	Rectangular population: range/quasi-range estimates of standard deviation
Weissberg & Beatty	2/671	4.5	Tolerance limits: normal distribution

	No.		
5. Hypothesis Testing			
Chakravarti & Rao	2/66	**5.2**	Poisson distribution: 2×3 contingency tables
Haga	2/72	**5.6**	Rank test: location
Singh	2/84	**5.3**	W and T statistics
Bennett	2/307	**5.6**	X_n test: power function
Halperin	2/313	**5.6**	Wilcoxon-Mann-Whitney test: censored samples
Jílek & Líkar	2/315	**5.6**	Non-parametric tolerance regions: sample sizes
Khatri	2/316	**5.4**	Parameters of k rectangular populations
Klotz	2/675	**5.6**	Hodges sign test
Roy	2/677	**5.8**	Analysis of dispersion: power function
7. Variance Analysis			
Steel	2/348	**7.7**	Multiple comparison sign test
Harter	2/530	**7.7**	Multiple range test
8. Sampling Design			
Žaludová	2/141	**8.9**	Quality control: individual sample values
Hald	2/705	**8.8**	Sampling inspection: compound hypergeometric
Olds	2/709	**8.9**	Control charts: power characteristics
9. Design of Experiments			
Brooks & Mickey	2/723	**9.3**	Gradient direction estimation: table of $\mathscr{E}(\cos\theta)$

3

Analysis of data from life tests: reliability, etc.

This note does not pretend to include a reference to abstracts of all papers which could be relevant to the analysis of observations arising from life tests, service experience or reliability assessment. Problems of this kind can be of a very general character and make use of a wide range of statistical techniques for which the current literature is abstracted in this journal. However, there are papers on certain statistical methods which have a major relevance to the kind of problems under discussion and other papers which are written with specific reference to these problems. Accordingly, it is these papers that are included in the following paragraphs.

The principal item of bibliographic importance is the publication in Series B of the *Journal of Research* (*National Bureau of Standards*) of an " Index to the distributions of mathematical statistics ". This index was compiled by Haight (No. **2**/776, **11.9**) and is important because one of the central problems in life assessment is the diagnosis of the underlying distribution from which the sample observations were drawn.

Three general papers are No. **2**/664 Plackett (**4.3**), No. **2**/485 Epstein (**4.3**) and No. **2**/499 Epstein (**5.2**). The first paper covers a variety of methods, both graphical as well as analytical; including estimation of μ and σ in small samples from a normal distribution by using order statistics and an approximate method for large samples in grouped frequency distributions. The other two papers summarise much of the work on estimation associated with the author's name and life test acceptance procedures for the exponential distribution.

The classical approach to the class of problems here under review is through the life table and its associated functions. The first part of a valuable new study of the life table on a stochastic basis is No. **2**/555 Chiang (**10.9**). The second and third parts of this study will appear in Volume 3, part 2 of this journal. Two papers on survival curves were contributed by the Italian school of statistics viz.: No. **2**/227 Chiassino (**0.2**) and No. **2**/429 Ferreri (**0.2**). The associated function of mortality intensity, " force of mortality " or hazard rate was investigated in two papers No. **2**/259 Khatri & Shah (**2.1**) and No. **2**/490 Kimball (**4.3**). This latter writer also examined the estimation of disease (death) incidence under conditions of multiple causes of death, No. **2**/56 Kimball (**4.3**). Another paper in this same area of investigation was No. **2**/649 Berkson & Elveback (**4.1**).

In the realm of problems relating to the determination of the underlying population distribution, the new contributions relating to the exponential distributions were as follows: a review paper of a number of graphical and analytical procedures for testing the validity of the assumption of an exponential distribution, No. **2**/674 Epstein (**5.2**); estimation and testing for the one and two parameter distribution, No. **2**/538 Jánossy & Rupp (**8.1**), No. **2**/666 Störmer (**4.4**), No. **2**/654 Epstein (**4.4**) and No. **2**/655 Epstein (**4.4**) where censored sampling is also involved. The bivariate exponential distribution was investigated No. **2**/467 Gumbel (**2.5**) with reference to its marginal distributions.

The general problem of bivariate distributions in relation to their marginal distributions was reported in No. **2**/491 Oliveira (**4.8**) and multivariate distributions in No. **2**/29 and No. **2**/255 Gumbel (**2.0**). Three other papers of general interest in connection with practical handling of data in the form of statistical distributions were concerned with nomograms for the logistic No. **2**/515 Berkson (**6.7**), graphs for the bivariate normal No. **2**/268 Zelen & Severo (**2.3**) and two-way transforms for probabilities and variate values of commonly encountered distributions No. **2**/36 Prins (**2.2**). A more specialised problem in connection with distributions is, for example, No. **2**/657 Mendenhall & Lehman (**2.4**) on the negative moments of the positive binomial in relation to estimating one of the parameters of the Weibull distribution which is frequently encountered in life test situations. A group of papers deals with an important aspect of analysing data from a Poisson population. The problem of estimating the Poisson parameter when the zero observations are unobservable (truncated) was re-examined in No. **2**/46 Cohen (**4.3**) and No. **2**/463 Cohen (**2.8**). When a proportion of the " ones " is also missing the appropriate modifications were outlined in No. **2**/651 Cohen (**4.3**). A further extension of practical importance in No. **2**/287 Cohen (**4.3**) dealt with the possibility that some " one's " were misreported as " zero " and this was generalised in No. **2**/47 Cohen (**4.3**) to the case of any adjacent pair of frequency classes in the Poisson distribution.

One of the early papers by Haid on censored samples has been extended, No. 2/45 Bhattacharya (4.3), for small values of h, the proportion of censored observations. Further work on the simplification of estimators for the parameters of a normal distribution was reported in No. 2/49 Dixon (4.3) in connection with censored samples and linear systematic statistics, and in No. 2/652 Cohen (4.3) for censored or truncated situations using the method of maximum likelihood. Considering symmetrical populations in general, and symmetrically censored samples, abstract No. 2/670 Walsh (4.6) dealt with nonparametric estimation of the median using linear estimators. Two other papers dealt with special aspects of estimation for a normal distribution when observations are truncated: No. 2/55 Isida & Tagami (4.1) dealing with bias and precision of maximum likelihood estimators and No. 2/305 Swamy (4.3) where the observations were in the form of a grouped frequency distribution. In connection with censored samples and the testing of hypotheses, No. 2/313 Halperin (5.6) gave an extension of the Wilcoxon-Mann-Whitney test. Rank order theory was developed for the two-sample problem with censored observations in No. 2/508 Rao, Savage & Sobel (5.6).

Where the form of the parent distribution is reasonably well identified, it is useful to employ the concept of tolerance intervals and regions in order to obtain some indication of the range of life from a sample of restricted size. A new set of tolerance-limit factors for the normal distribution, with mean and standard deviation estimated from the sample observations, was reported at No. 2/671 Weissberg & Beatty (4.5). For the case where μ is unknown in the distribution $N(\mu, \sigma)$ but σ^2 is known, No. 2/297 Jílek & Líkar (4.5) presented further results and tables in continuation of the work reported at No. 1/401. Another paper, No. 2/489 Jílek & Líkar (4.5) dealt with the problem when μ is known and σ unknown. Finally, an extension of the work to non-parametric tolerance regions was given at No. 2/315 Jílek & Líkar (5.6) and to sequential tolerance regions by No. 2/61 Saunders (4.5).

The background to linear estimators is partly found in work on order statistics. Some new tables of expected values of order statistics of samples from a normally distributed population is reported at No. 2/269 Harter (3.8), and No. 2/640 Gupta (3.8) deals with order statistics from a gamma distribution. On a more restricted basis two papers, No. 2/280, 642 Rider (3.6) give the variance of the median for a range of small sample sizes and a group of special population including the exponential, normal and Cauchy distributions. In connection with work on order statistics, mention should be made to a paper No. 2/643 Sarkadi (3.8) dealing with the median of the distribution of exceedances.

The method of comparing distributions through the use of the cumulative, or distribution, function is frequently of value in the sphere of life and fatigue tests. Three papers report work in this field: No. 2/311 Dwass (5.6) dealt with the distribution of a generalised "distance" statistic while No. 2/312 Fisz (5.3) extended work by Rosenblatt on the von Mises-Smirnoff test. Thirdly, No. 2/509 Reimann & Vincze (5.3) dealt with the problem of comparing two samples of slightly different size.

Of special importance in fatigue tests, the statistical theory of extreme values has received a number of review activities in an attempt to bring the main results before a wider audience: the relevant papers are No. 2/27 Gumbel (2.6); No. 2/253 Geffroy (2.6) and No. 2/631 Epstein (2.6). The problem of extending the scope to the bivariate case was reported at No. 2/41 Sibuya (3.8). Some special topics of potential importance to the statistical design and analysis of fatigue tests are those reported at: No. 2/330 Gurland, Lee & Dahm (6.8) on quantal response with more than two outcomes; No. 2/723 Brooks & Mickey (9.3) on optimum estimation in steepest ascent experiments; No. 2/115 Bechofer (7.3) on a problem in analysis of variance which is connected with factorial experiments in life testing [see No. 1/707 Zelen (9.2)]; No. 2/68 Dunnet (5.8) on selection of the largest means value from the normally distributed populations and No. 2/551 Birnbaum (10.1) on the stochastic implications of length of life and failure of materials.

Finally there are a few references to note in connection with reliability theory:

	No.		
Dremick	2/560	10.1	Mathematical aspects
Birnbaum, Esary & Saunders	2/615	1.1	Multi-component systems
Golovin	2/633	2.5	Reliability prediction
Barlow & Hunter	2/742	10.1	System efficiency

4

Statistical Genetics

During the course of the volume under review the following general papers have been included:

	No.		
Emmens	2/158	9.0	Role of statistics in physiological research
Seyffert	2/211	10.9	Composition of tetrosomic populations. I. Random mating
Seyffert	2/212	10.9	Composition of tetrosomic populations. II. Selfing
Gittelsohn	2/487	4.3	Model for qualitative characters in sibships

In connection with specific statistical methods, especially those related to analysis of variance, regression and correlation, the following papers are of interest:

	No.		
Darwin	2/21	2.5	Ecological distribution similar to Fisher's logarithmic distribution
Bennett	2/307	5.6	Power function of X_n test
Anderson	2/113	7.2	Variance component analysis in biological experiments
Morley	2/532	7.2	Estimation of genotypic covariances: genotype/environment interactions
Calínsky	2/527	7.5	Interactions in plant variety experiments
Hayman	2/342	7.2	Maximum likelihood estimation—genetic components of variation

Latter & Robertson	2/295	**4.3**	Experiment design—heritability by regression methods
Tallis	2/526	**6.4**	Sampling errors of genetic regression coefficients and predicted genetic gains
Stanton	2/109	**6.2**	Genetic correlation—multiple alleles

A third topic of importance is selection methods; the following abstracts are of interest in this connection:

Finney	2/153	**9.4**	Problems of plant selection
Finney	2/155	**9.4**	Economy of varietal selection
Griffing	2/389	**10.9**	Truncation selection based on the individual phenotype
Smith	2/414	**10.9**	Efficiency of animal testing schemes
Griffing	2/567	**10.9**	Linkage in mass selection
Moran	2/573	**10.9**	Survival of mutant gene—see also No. **1**/503 (**10.9**)

5

Random Graphs

A problem which has begun to attract renewed attention in the literature is that of random (linear) graphs. Four abstracts of papers appeared in Volume 2, as follows:

Austin, Fagen Penney & Riordan	2/235	**1.3**	Components in random linear graphs
Erdös & Rényi	2/238	**1.3**	Random graphs. I
Erdös & Rényi	2/618	**1.3**	Strength of connectedness of a random graph
Bloemena	2/516	**6.9**	Random association of points: see also No. **1**/540 (**1.3**)

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